Dr. John E. Flinn

Extensive experience and discovery in the area of metal alloys.

Phone: unavailable
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Licensing information

For information on licensing INL technologies such as those developed by Dr. Flinn, contact the Lead Account Executive for Industrial Processing and Manufacturing:

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Education: Dr. Flinn earned his B.S. (Physical Met.) degree in 1962 from Washington State University and his M.S. (Matl's Sci.) degree in 1967 from Northwestern University. Then in 1972, he earned his Ph.D. (Eng. Sci.) degree from Washington State University.

Work Experience: In 1962, Dr. Flinn joined the Argonne National Laboratory located in Lemont, IL and for five years was an assistant metallurgist, Then in 1971, he moved to Idaho Falls where to work for Argonne as an associate metallurgist. He worked in this position for seven years. From 1978 to 1995, Dr. Flinn worked as a technical leader/principal scientist for the Idaho National Laboratory. In 1984, Dr. Flinn began working with the University of Idaho as an affiliate/research faculty member and continues to work for the university.

Professional Societies: Dr. Flinn is involved with several professional societies which include: ASM International, Materials Research Soc., TMS of AIME, International Metallographic Soc., American Powder Metallurgy Institute, Idaho Academy of Science.

Significant Accomplishments: Some of Mr. Flinn's accomplishments include: technical team leader for development, versatility, and peer recognition of iron-enriched basalt for nuclear waste immobilization, three R&D 100 Awards, Doc Edgerton Award for Outstanding Scientist, Award of Excellence for Technology Transfer from the Federal laboratory Consortium, technical leader and principal investigator for the Rapid Solidification Processing technology. Acquired over $11M in Federal funding to develop technology, Co-founder of Stainless Steel Plus, Trustee of INL Retiree's Association, advisor/co-advisor for 12 Master and six Doctoral students, 110 publications with more than 85 refereed.

Patents:

U.S. Patent No. 4,599,060 – Die-Target for Dynamic Powder Consolidation

U.S. Patent No. 4,768,577 – Dissolution Of Inert Gases in a Metal Alloy

U.S. Patent No. 5,831,187 – Advanced Nickle Base Alloys for High Strength, Corrosion Applications

U.S. Patent No. 5,908,486 – Strengthening of Metallic Alloys with Nanometer Size Oxide Dispersions

U.S. Patent No. 6,135,194 – Spray Casting of Metallic Preforms